GALAXY

EPS12V Series Power Supply

Your satisfaction, Our priority.

GALAXY

Power, Unleashed.

850W QUAD PCI EXPRESS ULTRA

EGA850EWL

1000W QUAD PCI EXPRESS EXTREME

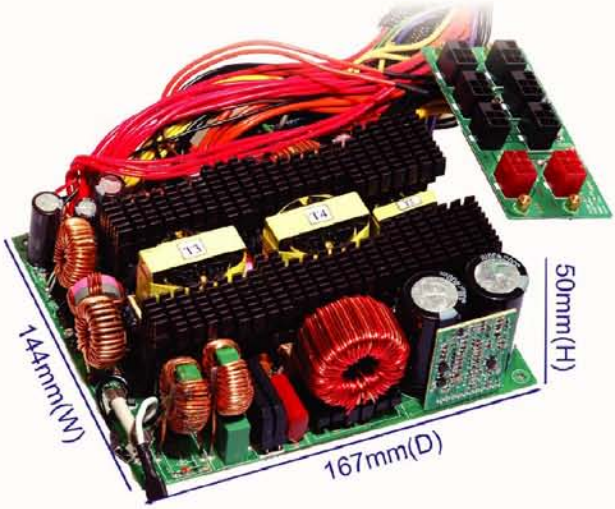
EGA1000EWL

PCI EXPRESS x4

Features

- World's FIRST: **2007 EPS12V** compliant PSU series for heavy-duty systems.
- World's FIRST: **FIVE +12V RAIL** PSU for perfect power distribution.
- World's FIRST: **TRIPLE QUAD** support (Core & CPU & GPU).
- World's MOST: **24 DRIVES** support by native + **MODULAR** cable design.
- World's FIRST: **80-85%** efficiency from 20% to 100% load.
- **24/7 FULL POWER** and **TIGHT REGULATION** @ **0 - 50ºC**.
- **SILENT & COOL** by 13.5cm & 8cm dual fan design.
- **ACTIVE PFC & UNIVERSAL AC** In with automatic adjustment
- **TRIPLE TRANSFORMER** design to provide the utmost in stability and power.
- World's FIRST: **COMBINED MINIMUM LOAD** design for outstanding compatibility.
- World's FIRST: **DUAL TIER COMBINED POWER** for total separation of CPU(s) from system.
- World's FIRST: **PowerGuard** 4 mode PSU status monitor and alarm with reset function.
- World's STRONGEST: **6A +5Vsb** rail to support 2007 systems and multiple USB devices.
- World's FIRST: **RAM POWER CABLE** for **32-64GB RAM** system support.

24/7@ 50°C
INDUSTRIAL design



MODULAR
SATA & PATA MAXIMUM

PowerGuard
Total Surveillance

80-85% EFFICIENCY
SAVES YOUR MONEY

COMPARE!	500W SYSTEM 24/7 @230V, 1.0 PFC		kWh (kilowatts/hour) 1 kWh = 0.18 €		
PSU	Efficiency	AC In	per day	per year	money wasted
GALAXY	**85**%	588W	14.112	5150.88	**0**
PSU A	**84**%	595W	14.28	5212.2	**61.32 €**
PSU B	**80**%	625W	15	5475	**324.12 €**
PSU C	**75**%	667W	16.008	5842.92	**692.04 €**

(Formula: (power out / efficiency) x 24 / 1000 = kWh/day x 365 = kWh/year)
(GALAXY: (500/0.85) x 24 / 1000 = 14.112 kWh/day x 365 = 5150.88 kWh/year)

POWERGUARD INDICATION

LED	BUZZER	INFO
OFF	SILENT	NO AC INPUT
ORANGE	SILENT	STAND-BY MODE
GREEN	SILENT	PSU NORMAL
RED	TWO BEEPS INTERVAL	PSU PROTECTION ACTIVE
BLINKING RED	SHORT BEEPS	PSU FAN ABNORMAL

ENERMAX

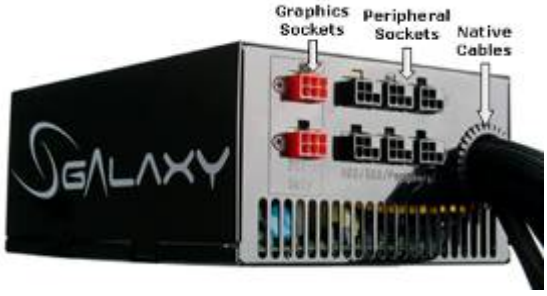
GALAXY is the world's first PSU series to comply with the upcoming 2007 revision of EPS12V PSU form factor guide. This revision requires a fifth 12V rail to keep high-end systems stable and allows TRIPLE QUAD + 24 support, by giving a more balanced rail distribution of your system devices than PSU's with only 4 or even less rails.

Single, dual or quad CPU's with multiple cores combined with the newest and even future generation single, dual or quad graphics: GALAXY's five rails are best suited to power these!

12V Rail Distribution

	CPU(s)	MB	GPU(s)	IDE / SCSI	SATA	other
12V1	#1 & #3	-	-	-	-	-
12V2	#2 & #4	-	-	-	-	-
12V3	-	yes	#2 native	3 native SATA		-
12V4	-	-	#1 native	3 native IDE / SCSI		-
12V5	-	-	#3 & #4 sockets	6 peripheral sockets		FDD

CABLES & CONNECTORS



Native Cables

1x	MB 24P	60cm
1x	8P CPU 12V	60cm
1x	4+4P CPU 12V	60cm
2x	PCI Express	55cm
3x	SATA	45/60/75cm
3x	4P Molex	45/60/75cm
1x	Fan RPM	65cm

Modular Cables

Modular Cables supplied / Model	1000W	850W
EMC001: 3 x SATA (SATA, SATA, SATA) 45/60/75cm	5	4
EMC002: 3 x 4P Molex (4P Molex, 4P Molex, 4P Molex) 45/60/75cm	3	2
EMC004: PCI-E 45cm	2	2
EMC006: 2 x 4P Molex + FDD (FDD, 4P Molex, 4P Molex) 45/60/75cm	2	2
EMC007: 2x2 +12V 45cm	1	1

SPECIFICATIONS

	MINIMUM	MAXIMUM 24/7 @ 0° - 50° C			PEAK > 12 sec		
12V1	2A	**17A**	**34A**	**68A** (EGA850)	23A	42A	75A (EGA850)
12V2		**17A**			23A		
12V3	1.9A	**17A**	**34A** (EGA850) **41A** (EGA1000)		25A	40A (EGA850) 45A (EGA1000)	85A (EGA1000)
12V4		**17A**		**75A** (EGA1000)	25A		
12V5		**17A**			25A		
3.3V	0.5A	**30A**	**200W**		45A	300W	
5V	0.5A	**30A**			40A		
-12V	0A	**0.6A**			0.6A		
+5Vsb	0.1A	**6A**			6A		
EGA850EWL	**850 W** (950W PEAK)						
EGA1000EWL	**1000 W** (1100W PEAK)						
100-240VAC, 50-60Hz, automatic switching (Active PFC), AC In max: 12A (EGA850) / 15A (EGA1000)							

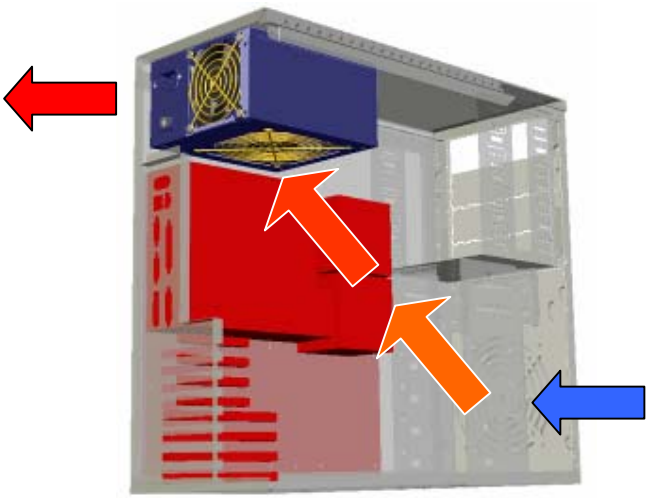
MULTIPLE PROTECTIONS

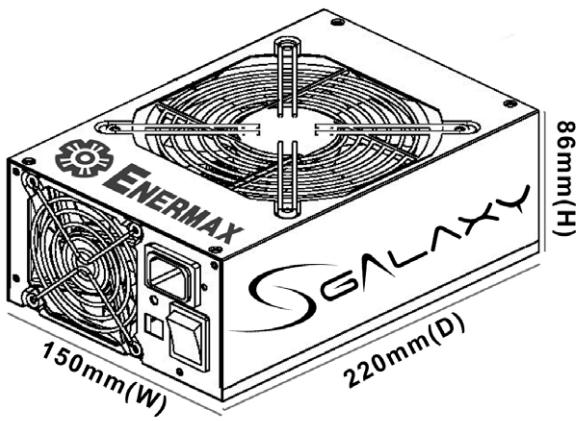
GALAXY will turn off to protect itself and your system from damage.

	12V1	12V2	12V3	12V4	12V5	3.3V	5V	-12V	+5Vsb
OCP	yes	yes	yes	yes	yes	yes	yes	no	no
OLP	on 110 – 150% of maximum output								
SCP	yes	yes	yes	yes	yes	yes	yes	yes	yes
OVP	yes	yes	yes	yes	yes	yes	yes	yes	yes
UVP	activated, if AC In Voltage < 75VAC								

(OCP = Over Current Protection, OLP = Over Load P., SCP = Short Circuit P., OVP = Over Voltage P., UVP = Under Voltage P.)

COOLING & DIMENSIONS





13.5 and 8cm dual fans
for superior cooling.

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